Claims

1. An interactive alarm clock comprising:

a system for designating distinct alarm signals; and

a snooze mechanism for deactivating a first designated alarm signal and automatically activating a second designated alarm signal after a predetermined time.

2. The alarm clock of claim 1, wherein each successive activation of the snooze mechanism results in a new designated alarm signal.

3. The alarm clock of claim 1, wherein the system for designating distinct alarm signals comprises a volume system for designating volume levels for the alarm signals, and wherein the first alarm signal has a different volume level than the second alarm signal.

4. The alarm clock of claim 1, wherein the system for designating distinct alarm signals comprises a type selection system for designating alarm types for the alarm signals, and wherein the first alarm signal is a different alarm type than the second alarm signal.

5. The alarm clock of claim 4, wherein the alarm type is selected from the group consisting of audio, buzzer and visual.

6. The system of claim 1, wherein the system for designating distinct alarm signals comprises a harmonic system for designating alarm signal harmonics for the alarm signals, and wherein the first alarm signal has different alarm signal harmonics than the second alarm signal.

7. The alarm clock of claim 1, further comprising a time system for designating the predetermined time.

8. The alarm clock of claim 1, further comprising a motion detection system for designating a motion detection period, wherein the alarm clock is disengaged if no motion is detected proximate the alarm clock during the motion detection period.

9. The alarm clock of claim 8, further comprising a positionable motion detector for detecting motion proximate the alarm clock.

10. The alarm clock of claim 1, further comprising a limit system for designating a maximum snooze quantity, wherein the first alarm signal will not be deactivated if the maximum snooze quantity is matched.

11. An interactive alarm clock, comprising:

a volume system for designating distinct volume levels for successive alarm signals; and

a snooze mechanism for deactivating a first alarm signal having a first designated volume level and automatically activating a second alarm signal having a second designated volume level after a predetermined time.

12. The alarm clock of claim 11, wherein each successive activation of the snooze mechanism results in a new alarm signal having a higher designated volume level.

13. The alarm clock of claim 11, further comprising,

a time system for designating the predetermined time;

a limit system for designating a maximum snooze quantity;

a type selection system for designating an alarm type;

a harmonic system for designating alarm signal harmonics; and

a motion detection system for designating a motion detection period, wherein the alarm clock is disengaged if no motion is detected proximate the alarm clock during the motion detection period.

14. The alarm clock of claim 13, further comprising a positionable motion detector for detecting motion proximate the alarm clock.

15. A method for operating an alarm clock, comprising:

designating distinct alarm signals; and

deactivating a first designated alarm signal and automatically activating a second designated alarm signal after a predetermined time.

16. The method of claim 15, wherein the first alarm signal has a different volume level than the second alarm signal.

17. The method of claim 15, wherein the first alarm signal is a different alarm type than the second alarm signal.

18. The method of claim 15, wherein the first alarm signal has different alarm signal harmonics than the second alarm signal.

19. The method of claim 15, further comprising:

designating the predetermined time;

designating a maximum snooze quantity, wherein the first alarm signal will not be deactivated if the maximum snooze quantity is matched; and

designating a motion detection period and disengaging the alarm clock if no motion is detected proximate the alarm clock during the designated period.

20. A program product stored on a recordable medium for programming an alarm clock, comprises:

program code for designating distinct alarm signals; and

program code for deactivating a first designated alarm signal and automatically activating a second designated alarm signal after a predetermined time.

21. The program product of claim 20, wherein the program code for designating distinct alarm signals comprises program code for designating distinct volume levels for the alarm signals.

22. The program product of claim 20, wherein the program code for designating distinct alarm signals comprises program code for designating distinct alarm types for the alarm signals.

23. The program product of claim 20, wherein the program code for designating distinct alarm signals comprises program code for designating distinct alarm signal harmonics for the alarm signals.